

PROPOSAL EVALUATION

Proposition 1E Integrated Regional Water Management (IRWM) Grant Program

Stormwater Flood Management Grant, Round 1, 2010-2011

Applicant	City of Antioch	Amount Requested	\$2,997,300
Proposal Title	City of Antioch Stormwater Flood Management Grant Proposal	Total Proposal Cost	\$5,994,600

PROPOSAL SUMMARY

This Project replaces an inadequate trapezoidal concrete ditch and arch culverts with three box culverts spanning 620 linear feet. This will provide a 25-year level of flood protection and increase the capacity of the reach from less than 400 cfs to 2,810 cfs addressing chronic flooding of West Antioch Creek through the installation of three 14' by 7' Caltrans Standard Box Culverts. These box culverts will increase the storm water capacity of the creek, replacing an inadequate concrete trapezoidal ditch and arch culverts.

PROPOSAL SCORE

Criteria	Score/ Max. Possible	Criteria	Score/ Max. Possible
Work Plan	12/15	Economic Analysis – Flood Damage Reduction and Water Supply Benefits	9/12
Budget	3/5	Water Quality and Other Expected Benefits	6/12
Schedule	1/5	Program Preferences	6/10
Monitoring, Assessment, and Performance Measures	3/5		
Total Score (max. possible = 64)			40

EVALUATION SUMMARY

Work Plan

The criterion is fully addressed but is not supported by thorough documentation or sufficient rationale. The tasks listed in the Work Plan do not have a level of detail that matches the complexity of the Project. For example, the description for Task 1D.3, Construction (on page 3-19), does not convey what methodology will be utilized to complete this work.

Budget

Most of the tasks in the Proposal have detailed cost information as described in Attachment 4, but not all costs appear reasonable and supporting documentation is lacking for a majority of the items as shown in the Budget categories described in Exhibit B. The Budget contains little supporting documentation. For example, \$400,000 is set aside for land purchase and easement without a detailed analysis of unit land

costs. Also, \$530,000 is designated for planning, engineering design, and environmental documentation, but the costs are not broken down into labor categories which include hours and rates; just a lump sum expense based on similar project experience. The mobilization and site preparation costs are listed at \$82,400, but due to a calculation error, the applicant left off \$86,000 in additional costs. Therefore, the entire budget for the project is off by this amount. Also, 20% construction contingency seems excessive for the implementation of a standard Caltrans designed project.

Schedule

The Project Schedule shows that the construction contract is anticipated to be awarded in April 2013, which is more than 12 months after the anticipated grant award date of October 1, 2011.

Monitoring, Assessment, and Performance Measures

The criterion is less than fully addressed and the documentation or rationales are incomplete or insufficient. The Project is consistent with the Basin Plan, and Attachment 6 claims the project will: (1) improve flood protection, (2) eliminate Disadvantaged Community (DAC) exposure to constituents of concern caused by chronic flooding, (3) provide water quality and habitat protection benefits, and (4) provide recreation benefits. However, the Project Performance Measures table identifies only one project goal, eliminate or reduce flooding occurrences and associated damages. While the outcome indicators do effectively track the output of that particular goal, no water quality improvement or habitat enhancement goals or targets are listed for this Project. Water quality improvement and habitat enhancement goals should be added to demonstrate the water quality and habitat enhancement benefits claimed. Water quality sampling should include constituents and parameters consistent with the beneficial uses of these water bodies and be used as indicators of project success.

Economic Analysis – Flood Damage Reduction (FDR) and Water Supply Benefits

High levels of FDR and Water Supply benefits can be realized through this proposal; however, the quality of the analysis is partially lacking and/or supporting documentation is partially unsubstantiated. The data sources and valuation approach used to generate the FDR benefits are not well documented. The proposal lacks the documentation for analysis of inundation areas and depths, determination of affected structures, or replacement costs.

Economic Analysis – Water Quality and Other Expected Benefits

Average levels of Water Quality and Other benefits can be realized through this proposal; however, the quality of the analysis is partially lacking and/or supporting documentation is partially unsubstantiated. Water quality benefits are described, but no physical or economic quantification is provided to substantiate the magnitude of potential benefits.

Program Preferences

The Proposal includes a project that implements the following Program Preferences: Include Regional Projects or Programs, Contribute to Attainment of One or More of the Objectives of the CALFED Bay-Delta Program, Expand Environmental Stewardship, and Practice Integrated Flood Management. However, the Proposal demonstrates a limited degree of certainty that the Program Preferences claimed can be achieved, and lacks thorough documentation for the breadth and magnitude of the Program Preferences to be implemented.